In the Claims

1. An apparatus, comprising:

a fan; and

a controller configured for controlling the fan to operate substantially at a first desired fan speed provided by a user for a first ambient condition, and controlling the fan to operate substantially at a first determined speed at a second ambient condition.

2. The apparatus of claim 1, wherein the controller is configured to operate the fan at a plurality of different speeds, each substantially corresponding to a different ambient condition.

3. The apparatus of claim 1, further including a second desired fan speed provided by a user, and wherein the controller is configured for:

(a) controlling the fan to operate substantially at the second desired fan speed; and

(b) regulating the fan to operate substantially at a second determined speed different from the first determined speed at the second ambient condition.

4. The apparatus of claim 1, wherein the controller is configured to provide a plurality of fan speeds at a plurality of ambient conditions based on the first desired fan speed.

5. An apparatus, comprising:

a fan; and

a controller configured to regulate the fan speed according to a pre-determined value for each of a plurality of different ambient conditions based on the first desired fan speed provided by a user.

6. The apparatus of claim 5, further including a second desired fan speed provided by the user, and wherein the controller is configured for:

(a) controlling the fan to operate substantially at the second desired fan speed; and

(b) regulating the fan to operate substantially at a second determined speed different from the first determined speed at the different ambient condition.

7. The apparatus of any one of the foregoing claims, wherein the ambient condition comprises temperature, humidity, or both temperature and humidity.

8. The apparatus of any one of the foregoing claims, wherein the controller is configured to automatically activate and deactivate the fan at a particular ambient condition.

9. The apparatus of any one of the foregoing claims, wherein the fan is positioned in a room for causing air movement in the room, and the ambient condition is a temperature within the room.

10. The apparatus of any one of the foregoing claims, further including a sensor for sensing the one or more ambient conditions.

11. The apparatus of claim 10, wherein the sensor is remote from the fan.

12. The apparatus of any one of the foregoing claims, further including a remote controller adapted for communicating wirelessly with the fan, the remote controller adapted for providing the first desired fan speed.

13. The apparatus of any one of the foregoing claims, wherein the fan comprises an overhead fan.

14. The apparatus of any one of the foregoing claims, wherein the fan comprises a plurality of fan blades.

15. A method of operating a fan, comprising:

controlling the fan at a first user-desired fan speed at a first ambient condition; and

controlling the fan at a second fan speed associated with a second ambient condition based on the first desired fan speed for the first ambient condition.

16. The method of claim 15, further including the step of operating the fan substantially at the second speed when the second ambient condition is present.

17. The method of claim 15, further including the steps of:

controlling the fan to operate at the first desired fan speed at the first ambient condition, and

controlling the fan to operate at the second fan speed at the second ambient condition.

18. The method of claim 15, further comprising providing a third desired fan speed via the user input, and:

(a) controlling the fan to operate substantially at the third desired fan speed; and

(b) controlling the fan to operate at a fourth determined speed at the second ambient condition based on the third desired fan speed.

19. The method of claim 18, wherein the condition comprises temperature, humidity, or both temperature and humidity.

20. The method of claim 18, further including the step of activating or deactivating the fan at a particular ambient condition.

21. A method for controlling a fan, comprising:

regulating the fan speed according to a first pre-determined value for each of a plurality of ambient conditions based on a first desired fan speed provided by a first user.

22. The method of claim 21, further including the step of:

regulating the fan speed according to a second pre-determined value for each of a plurality of ambient conditions based on a second desired fan speed provided by the first user.

23. The method of claim 21, further including the step of:

regulating the fan speed according to a second pre-determined value for each of a plurality of ambient conditions based on a second desired fan speed provided by a second user.

24. A method of controlling a fan, comprising:

providing a first desired speed for the fan based on a first ambient condition;

providing a second desired speed for the fan at a second ambient condition; and

determining a fan speed for a third ambient condition, including based on the first and second desired speeds at the first and second ambient conditions.

25. The method of claim 24, further including the step of providing a user input of the first or second desired fan speed by way of a first user input.

26. The method of claim 25, further including the step of providing the user input by way of the first user or a second user.

27. A method of controlling a fan speed based on a first user-desired speed for the fan based on a first ambient condition and a second user-desired speed for the fan at a second ambient condition; and

determining a fan speed for a third ambient condition, including based on the first and second user-desired speeds at the first and second ambient conditions.

28. The method of claim 27, wherein the first and second ambient conditions are substantially the same.

29. A method of controlling the operation of an overhead fan in a room, comprising:

providing a user-selected first speed for a first temperature of the room in which the fan is located and a user-selected second speed for a second temperature of the room; and

operating the fan speed at the first speed at the first temperature and the second speed at the second temperature.

30. The method of claim 29, further including the step of determining a third speed at a third temperature based on the user-selected first and second speeds.

In the Claims:

1. An apparatus, comprising:

a fan;

a user input for allowing a user to input a fan speed; and

a controller configured for controlling the fan to operate substantially at a first user selected fan speed for a first ambient condition, and controlling the fan to operate substantially at a first determined speed at a second ambient condition according to a pre-programmed range of values, wherein the second ambient condition is an increase or decrease to the first ambient condition and wherein the first determined speed is based on the first user selected fan speed, further including a second user selected fan speed, and wherein the controller further is configured for:

(a) controlling the fan to operate substantially at the second user selected fan speed;

(b) regulating the fan to operate substantially at a second determined speed based on the second user selected fan speed, the second determined speed being different from the first determined speed, at the second ambient condition; and

(c) determining the user has a particular preference different from the pre-programmed range of values.

2. The apparatus of claim 1, wherein the controller is configured to operate the fan at a plurality of different speeds, each substantially corresponding to a different ambient condition.

3. The apparatus of claim 1, wherein the controller is configured to provide a plurality of fan speeds at a plurality of ambient conditions based on the first user selected fan speed.

4. An apparatus, comprising:

a fan; and

a controller configured to regulate the fan speed according to a pre-determined value for each of a plurality of different ambient conditions based on a first desired fan speed provided by a user, wherein the controller is further configured for controlling the fan to operate substantially at a second desired fan speed provided by the user and regulating the fan to operate substantially at a second determined speed different from a first determined speed at the different ambient condition, and wherein the controller is

further configured for determining that the user has a particular preference different from the pre-determined value.

5. The apparatus of claim 4, wherein the ambient condition comprises temperature, humidity, or both temperature and humidity.

6. The apparatus of claim 4, wherein the controller is configured to automatically activate and deactivate the fan at a particular ambient condition.

7. The apparatus of claim 4, wherein the fan is positioned in a room for causing air movement in the room, and the ambient condition is a temperature within the room.

8. The apparatus of claim 4, further including a sensor for sensing the one or more ambient conditions.

9. The apparatus of claim 8, wherein the sensor is remote from the fan.

10. The apparatus of claim 4, further including a remote controller adapted for communicating wirelessly with the fan, the remote controller adapted for providing the first desired fan speed.

11. The apparatus of claim 4, wherein the fan comprises an overhead fan.

12. The apparatus of claim 4, wherein the fan comprises a plurality of fan blades.

13. A method of operating a fan, comprising:

providing a user input for inputting a first user-desired fan speed;

controlling the fan at the first user-desired fan speed at a first ambient condition;

determining a second fan speed for a second ambient condition based on the first user-desired fan speed for the first ambient condition according to a pre-programmed range of values;

adjusting the second fan speed for the second ambient condition based on a second user-desired fan speed; and

determining that the second user has a particular preference different from the pre-programmed range of values.

14. The method of claim 13, further including the step of operating the fan substantially at the second determined speed when the second ambient condition is present.

15. The method of claim 13, further including the steps of:

controlling the fan to operate at the first desired fan speed at the first ambient condition, and

controlling the fan to operate at the second fan speed at the second ambient condition.

16. The method of claim 13, further comprising providing a third desired fan speed via the user input, and:

(a) controlling the fan to operate substantially at the third desired fan speed; and

(b) controlling the fan to operate at a fourth determined speed at the second ambient condition based on the third desired fan speed.

17. The method of claim 16, wherein the condition comprises temperature, humidity, or both temperature and humidity.

18. The method of claim 16, further including the step of activating or deactivating the fan at a particular ambient condition.